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PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

David N. Cox, et al.

Confirmation No.:

Application No.: 10/699,467

Group Art Unit: Not Yet Assigned

Filing Date: October 31, 2003

Examiner: Not Yet Assigned

For: TRANSFORMER PERFORMANCE PREDICTION

DATE OF DEPOSIT: Feb. 26, 2004

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

  
TYPED NAME: Raymond N. Scott, Jr.  
REGISTRATION NO.: 48,666

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date

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### U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	47	5,311,438	05/10/94	Sellers, et al.	364	468
	48	5,463,555	10/31/95	Ward, et al.	364	468
	49	5,835,764	11/10/98	Platt, et al.	395	671
	50	6,324,259 B1	02/05/02	Sandoual	705	7
	51	6,324,523 B1	11/27/01	Killeen, Jr. et al.	705	35
	52	6,477,521 B1	11/05/02	Kuomura, et al.	707	1
	53	2001/0042092 A1	11/15/01	Kudo, et al.	709	200
	55	2002/0143598 A1	10/03/02	Scheer	705	9
	56	6,633,772	10/14/03	Ford, et al.	600	345
	57	6,636,862 B2	10/21/03	Lundahal	707	101

### FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	58	EP 0 567 291 A2	10/27/93	EPO		
	59	EP 0 721 625 B1	04/24/02	EPO		
	60	WO 95/09387	04/06/95	PCT		
	61	WO 98/57285	12/17/98	PCT		
	62	WO 99/15979	04/01/99	PCT		
	63	WO 01/02928 A2	01/11/01	PCT		
	64	WO 01/50405 A1	07/12/01	PC		

**EXAMINER****DATE CONSIDERED**

of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

☐ In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached;  
or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- ☒ Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).


## EXCEPT THAT:

- ☒ In view of the voluminous nature of references **22, 40 and 41**, and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
- ☐ Copies of references **[list as appropriate]** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No.

, filed .

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: Feb. 26, 2004

  
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
	<b>1</b>	Aldred, K., "Aerospace Manufacturer takes off wit Paperless Manufacturing System", <i>IEEE Solutions</i> , <b>1998</b> , 55-57
	<b>2</b>	Chase, N., "Paperless Manufacturing Pays Off", <i>Quality</i> , <b>November 1998</b> , 46-47
	<b>3</b>	deSpautz, J., "Quantifying the Benefits of Automation", <i>ISA Transactions</i> , <b>1994</b> , 33, 107-112
	<b>4</b>	Eckerson, W., "Paperfree Factory gets Patriot Flying", <i>Network World</i> , 8(52), 2 pages
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	<b>6</b>	Fuller, L.F. et al., "A Joint Industry_university CIM Project for University Microelectronics Manufacturing", <i>IEEE</i> , <b>1991</b> , 37-40
	<b>7</b>	Gould, L., "Data Collection Leads to Paperless Manufacturing", <i>Managing Automation</i> , <b>May 1993</b> , 48-49
	<b>8</b>	Jain, H.K. et al., "E-R Approach to Distributed Heterogeneous Database Systems for Integrated Manufacturing", <i>Information Resources Management Journal</i> , <b>1992</b> , 3(1), 21-29
	<b>9</b>	Johanson, D.C. et al., "Application of a B&W Developed Computer Aided Pictorial Process Planning System to CQMS for Manufacturing Process", <i>Supercollider 4</i> , <b>1992</b> , 513-516
	<b>10</b>	Haverson, D.S., RS/6000 Drives Paperless Manufacturing", <i>Applied Solutions</i> , 21-22
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*	41	David G.T. Denison, et al., <i>Bayesian Methods for Nonlinear Classification and Regression</i> , 2002, John Wiley & Sons, Inc.,	
	42	Cox, D., "Analyzing Transformer Test Data",	
	43	Geromel, L. H. et al., "The Application of Intelligent Systems in Power Transformer Design", <i>Proceedings of the 2002 IEEE Canadian Conference on Electrical &amp; Computer Engineering</i> , 2002, 285-290	
	44	Doulamis, N.D., et al., "A Synergetic Neural Network-Genetic Scheme for Optimal Transformer Construction", <i>Integrated Computer-Aided Engineering</i> , 2002, 9, 37-56	
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<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

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	<b>32</b>	Ouelhadj, D. et al., "A Multi-Contract Net Protocol for Dynamic Scheduling in Flexible Manufacturing Systems (FMS)", <i>Proceedings of the IEEE International Conference on Robotics &amp; Automation</i> , <b>1999</b> , 1114-1119	
	<b>33</b>	Patkai, B., "A Cooperative Scheduling System for Paper Machinery Manufacturing", <i>IEEE</i> , <b>1998</b> , 2518-2521	
	<b>34</b>	Ramaswamy, S.E. et al., "Deadlock-Free Schedules for Automated Manufacturing Workstations", <i>IEEE Transactions on Robotics and Automation</i> , <b>1996</b> , 12(3), 391-400	
	<b>35</b>	Roberts, P.D. et al., "A Coordination Strategy for Integrated Operations Management and Control", <i>Abstracts</i> , <b>091</b> , page 1071	
	<b>36</b>	Saad, A. et al., "Effectiveness of Dynamic Rescheduling in Agent-Based Flexible Manufacturing Systems", <i>SPIE</i> , Vol. 3203, 88-99	
	<b>37</b>	Slomp, J. et al., "A Manufacturing Planning and Control System for a Flexible Manufacturing System", <i>Robotics &amp; Computer-Integrated Manufacturing</i> , <b>1993</b> , 10(1/2), 109-114	
	<b>38</b>	Zhu, L. et al., "FMS Job-Shop Scheduling Under Disruptions with Consideration of Time and Sequence Deviation", <i>Proceedings of the IEEE International Symposium on Intelligent Control/Intelligent Systems and Semiotics</i> , <b>1999</b> , 138-143	
	<b>39</b>	"Integrated Manufacturing-A Challenge for the 1990s", ESPRIT Consortium AMICE, <i>Computing and Control Engineering Journal</i> , <b>1991</b> , 101-102	
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	<b>21</b>	"Revamping Manufacturing", <i>Computer-Aided Engineering</i> , <b>1995</b> , 10-11	
*	<b>22</b>	Min-Hong, H., "Work Flow Control in Automated Manufacturing", Georgia Institute of Technology	
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	<b>24</b>	Fung, R.Y.K. et al., "Adaptive Production Scheduling of Virtual Production Systems Using Object-Oriented Petri Nets with Changeable Structure", <i>Intl. J. Prod. Res.</i> , <b>2002</b> , 40(8), 1759-1785	
	<b>25</b>	Greenwell, R.M. et al., "Computer-aided Acquisition of Manufacturing Information", <i>Advances in Engineering Software</i> , <b>1994</b> , 20, 1-12	
	<b>26</b>	Guide, Jr., V.D.R. et al., "Rough-cut Capacity Planning for Remanufacturing Firms", <i>Production Planning &amp; Control</i> , <b>1997</b> , 8(3), 237-244	
	<b>27</b>	Hitomi, K., "Strategic Integrated Manufacturing Systems: The Concept and Structures", <i>International Journal of Production of Economics</i> , <b>1991</b> , 25, 5-12	
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	<b>29</b>	Jean-Luc, G., "Automated Shop Floor Control System and Method of Operation Thereof", <i>Patents Alert</i> , <b>5530857</b> , page 87	
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	<b>14</b>	Ram, S.N. et al., "Paperless Manufactruing for IC Assembly", <i>IEEE/SEMI Int'l Semiconductor Manufacturing Science Symposium</i> , <b>1992</b> , 90-93	
	<b>15</b>	Remson, M.G., "Paperless Manufacturing, A Challenge Now and in the Future", <i>IEEE/SEMI Int'l Semiconductor Manufacturing Science Symposium</i> , <b>1991</b> , 89-94	
	<b>16</b>	Saad, et al., "Effectiveness of Dynamic Rescheduling in Agent-Based Flexible Manufacturing Systems", <i>SPIE</i> , 3203, 88-99	
	<b>17</b>	Vasilash, G.S., "Meeting the Future Head-on (Machinery Manufacturing)", <i>Production</i> , <b>July 1993</b> , 50-55	
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	<b>19</b>	von Hardenberg, P.W. et al., "Use of Integrated Knowledge-Based Systems for Helicopter Design and Manufacturing", <i>American Helicopter Society 51<sup>st</sup> Annual Forum</i> , <b>1995</b> , 1-10	
	<b>20</b>	Shop Solutions-"Islands of Automation have Paperless Links", <i>Manufacturing Engineering</i> , <b>1997</b> , 134-136	
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